

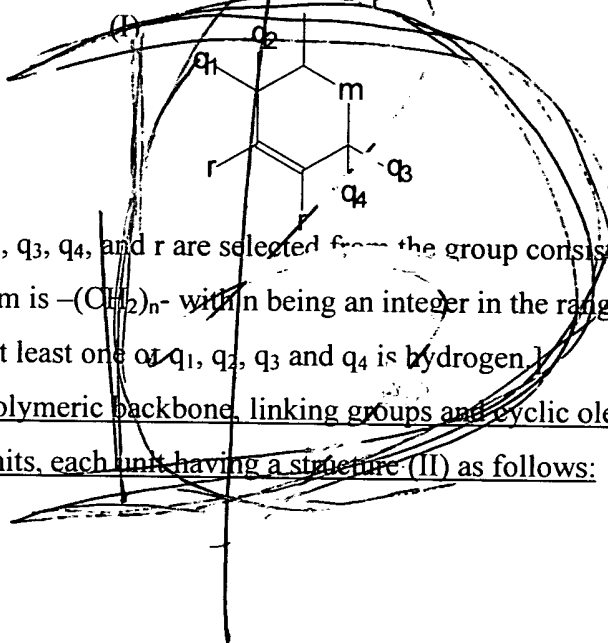
AMENDMENT

In the claims:

Please cancel claims 2, 9, and 25.

Please amend claims 1, 10-12, 22, 26-27, 40, and 98, as follows:

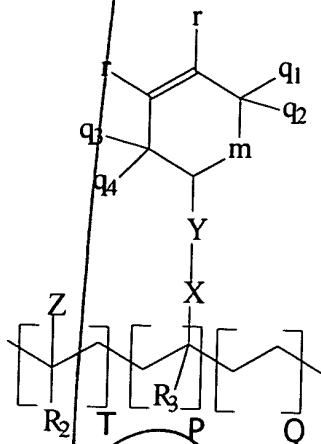
1. (Thrice Amended) A compound, comprising a polymeric backbone, cyclic olefinic pendent groups and linking groups linking the olefinic pendent groups to the polymeric backbone, [wherein the cyclic olefinic pendent groups have the structure (I):



wherein q_1 , q_2 , q_3 , q_4 , and r are selected from the group consisting of hydrogen, methyl, and ethyl; and where m is $-(CH_2)_n-$ with n being an integer in the range from 0 to 4; and wherein, when r is hydrogen, at least one of q_1 , q_2 , q_3 and q_4 is hydrogen.]

wherein the polymeric backbone, linking groups and cyclic olefinic pendent groups comprise repeating units, each unit having a structure (II) as follows:

(II)



wherein P+T+ Q is 100 mol % of the total composition; P is greater than 0 mol % of the total composition; Z is selected from the group consisting of an aryl group; $-(C=O)OR_1$; $-O(C=O)R_1$; and an alkyl aryl group:

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cont.

where R_4 is selected from the group consisting of $-CH_3$, ethyl, and hydrogen; R_1 is selected from the group consisting of hydrogen, methyl, ethyl, $-C_3H_7$ and $-C_4H_9$; R_2 and R_3 are selected from the group consisting of hydrogen and methyl; X is selected from the group consisting of $-O-$, $-NH-$, $-(C=O)O-$, $-(C=O)NH-$, $-(C=O)S-$, $-O(C=O)-$ and $-(CHR)_\lambda$; λ is an integer in the range from 1 to 6; Y is $-(CH_2)_n$, where n is an integer in the range from 0 to 12, R being selected from the group consisting of hydrogen, methyl and ethyl; where q_1 , q_2 , q_3 , q_4 , and r are selected from the group consisting of hydrogen, methyl, and ethyl; and where m is $-(CH_2)_n$ and where n is an integer in the range from 0 to 4; and wherein when r is hydrogen, at least one of q_1 , q_2 , q_3 and q_4 is hydrogen.

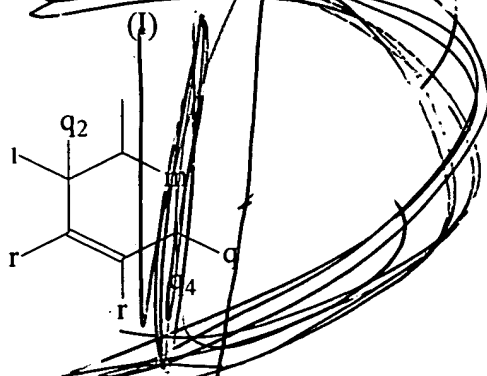
10. (Amended) The compound of claim [9] 1, wherein the cyclic olefinic pendent groups are selected from the group consisting of cyclohexene-4-methylene radical, 1-methyl cyclohexene-4-methylene radical, 2-methyl cyclohexene-4-methylene radical, 5-methyl

C2

cyclohexene-4-methylene radical, 1,2-dimethyl cyclohexene-4-methylene radical, 1,5-dimethyl cyclohexene-4-methylene radical, 2,5-dimethyl cyclohexene-4-methylene radical, 1,2,5-trimethyl cyclohexene-4-methylene radical, cyclohexene-4-ethylene radical, 1-methyl cyclohexene-4-ethylene radical, 2-methyl cyclohexene-4-ethylene radical, 5-methyl cyclohexene-4-ethylene radical, 1,2-dimethyl cyclohexene-4-ethylene radical, 1,5-dimethyl cyclohexene-4-ethylene radical, 2,5-dimethyl cyclohexene-4-ethylene radical, 1,2,5-trimethyl cyclohexene-4-ethylene radical, cyclohexene-4-propylene radical, 1-methyl cyclohexene-4-propylene radical, 2-methyl cyclohexene-4-propylene radical, 5-methyl cyclohexene-4-propylene radical, 1,2-dimethyl cyclohexene-4-propylene radical, 1,5-dimethyl cyclohexene-4-propylene radical, 2,5-dimethyl cyclohexene-4-propylene radical, 1,2,5-trimethyl cyclohexene-4-propylene radical, cyclopentene-4-methylene radical, 1-methyl cyclopentene-4-methylene radical, 3-methyl cyclopentene-4-methylene radical, 1,2-dimethyl cyclopentene-4-methylene radical, 3,5-dimethyl cyclopentene-4-methylene radical, 1,3-dimethyl cyclopentene-4-methylene radical, 2,3-dimethyl cyclopentene-4-methylene radical, 1,2,3-trimethyl cyclopentene-4-methylene radical, 1,2,3,5-tetramethyl cyclopentene-4-methylene radical, cyclopentene-4-ethylene radical, 1-methyl cyclopentene-4-ethylene radical, 3-methyl cyclopentene-4-ethylene radical, 1,2-dimethyl cyclopentene-4-ethylene radical, 3,5-dimethyl cyclopentene-4-ethylene radical, 1,3-dimethyl cyclopentene-4-ethylene radical, 2,3-dimethyl cyclopentene-4-ethylene radical, 1,2,3-trimethyl cyclopentene-4-ethylene radical, 1,2,3,5-tetramethyl cyclopentene-4-ethylene radical, cyclopentene-4-propylene radical, 1-methyl cyclopentene-4-propylene radical, 3-methyl cyclopentene-4-propylene radical, 1,2-dimethyl cyclopentene-4-propylene radical, 3,5-dimethyl cyclopentene-4-propylene radical, 1,3-dimethyl cyclopentene-4-propylene radical, 2,3-dimethyl cyclopentene-4-propylene radical, 1,2,3-trimethyl cyclopentene-4-propylene radical, and 1,2,3,5-tetramethyl cyclopentene-4-propylene radical.

11. (Amended) The compound of claim [9] 1, wherein the [composition] compound is an ethylene/methyl acrylate/cyclohexenyl methyl acrylate terpolymer[, a cyclohexenyl methyl acrylate/ethylene copolymer, a cyclohexenyl methyl methacrylate/styrene copolymer, a cyclohexenyl methyl acrylate homopolymer or a methyl acrylate/cyclohexenyl methyl acrylate copolymer].

12. (Twice Amended) An oxygen scavenging composition, comprising a compound comprising a polymeric backbone, cyclic olefinic pendent groups, and linking groups linking the olefinic pendent groups to the polymeric backbone; and a transition metal catalyst, wherein the transition metal catalyst is a metal salt, and wherein the cyclic olefinic pendent groups have the structure (I):



wherein q_1 , q_2 , q_3 , q_4 , and r are selected from the group consisting of hydrogen, methyl, and ethyl; and where m is $-(CH_2)_n-$ with n being an integer in the range from 0 to 4; and wherein, when r is hydrogen, at least one of q_1 , q_2 , q_3 and q_4 is hydrogen.

22. (Amended) The composition of claim 20, wherein the [composition] compound is an ethylene/methyl acrylate/cyclohexenyl methyl acrylate terpolymer, a cyclohexenyl methyl acrylate/ethylene copolymer, a cyclohexenyl methyl methacrylate/styrene copolymer, a cyclohexenyl methyl acrylate homopolymer or a methyl acrylate/cyclohexenyl methyl acrylate copolymer.

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26. (Amended) The composition of claim [25] 12, wherein the metal in the metal salt is cobalt.

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27. (Amended) The composition according to claim [25] 12, wherein the metal salt is selected from the group consisting of cobalt neodecanoate, cobalt 2-ethylhexanoate, cobalt oleate and cobalt stearate.

16 40. (Amended) The article of manufacture of claim 30, wherein the [composition] compound is an ethylene/methyl acrylate/cyclohexenyl methyl acrylate terpolymer, a cyclohexenyl methyl acrylate/ethylene copolymer, a cyclohexenyl methyl methacrylate/styrene copolymer, a cyclohexenyl methyl acrylate homopolymer or a methyl acrylate/cyclohexenyl methyl acrylate copolymer.

17 98. (Amended) The process of claim 78, wherein the [composition] polymer is a ethylene/methyl acrylate/cyclohexenyl methyl acrylate terpolymer, a cyclohexenyl methyl acrylate/ethylene copolymer, a cyclohexenyl methyl methacrylate/styrene copolymer, a cyclohexenyl methyl acrylate homopolymer or a methyl acrylate/cyclohexenyl methyl acrylate copolymer.

REMARKS

1. Status of claims

In light of the above amendment, claims 1, 4-8, 10-13, 15-24, 26-31, 33-90, and 92-98 are pending. A clean copy of all pending claims, as amended above, is attached hereto as Appendix A.

2. Support for amendments

The amendments of claims 1 and 12 incorporate limitations originally recited by claims dependent thereon. The remaining amendments correct dependencies or clarify claim language.

3. Claim rejections under 35 U.S.C. §102(b)

Claims 1, 2, 11-13, and 23-24 are rejected under 35 U.S.C. §102(b) as being anticipated by Tellier et al., U.S. Pat. No. 3,497,571 ("Tellier"). The Examiner alleges that Tellier shows